

Table S4. Biomass production (g L^{-1}), maximum specific growth rate (d^{-1}), productivities ($\text{g L}^{-1} \text{d}^{-1}$) and bioremediation expressed as removal of COD, N and P in the cultivation of microalgae on wastewater with other substrates.

Type of water	Conditions	Microalgae/Microalgae in symbiosis	Biomass production	Unit	Maximum specific growth rate	Time Unit	Productivities	Unit	Bioremediation removal %			Reference
									COD	N	P	
Wastewater with other substrates	35d batch centrate 100%	<i>Chlorella fusca</i>	3.5	g L^{-1}						100	48	Peralta et al., (2019)
Wastewater with other substrates	35d batch centrate 66%	<i>Chlorella fusca</i>	2.5	g L^{-1}						100	75	
Wastewater with other substrates	21d batch centrate 33%	<i>Chlorella fusca</i>	2	g L^{-1}						100	53	
Wastewater with other substrates	8d UWW with gly Mixotrophic	<i>Chlorella</i>	1.29	g L^{-1}						89	96	Nzayisenga J.C. et al., (2018)
Wastewater with other substrates	8d UWW with glu Mixotrophic	<i>Chlorella</i>	1.17	g L^{-1}						88	96	
Wastewater with other substrates	8d UWW Autotrophic	<i>Chlorella</i>	1.12	g L^{-1}						83	96	
Wastewater with other substrates	8d UWW with gly Eterotrophic	<i>Chlorella</i>	0.5	g L^{-1}						76	96	
Wastewater with other substrates	8d UWW with glu Eterotrophic	<i>Chlorella</i>	0.6	g L^{-1}						78	96	
Wastewater with other substrates	14d digestate ADMW	<i>Scenedesmus acuminatus</i>	2.9	g L^{-1}					48	44	>96.9	Tao et al., (2017)
Wastewater with other substrates	14d digestate ADMW	<i>Chlorella vulgaris</i>	2	g L^{-1}					55	24	>96.9	
Wastewater with other substrates	10d Effluents (ADEs) 160 $\text{mg N - NH}_4^+ / \text{L}$	<i>Chlorella sp</i>	2.3	g L^{-1}			0.3865 ± 0.0241	$\text{g L}^{-1} \text{d}^{-1}$	36.2 ± 4.9	98.6 ± 1.4	77.8 ± 3.1	Zieliński M. et al., (2018)
Wastewater with other substrates	5d effluent after AnMBBR	<i>Chlorella/Scenedesmus</i>	0.53	g L^{-1}					57	93	99	Hultberg et al., (2016)

Wastewater with other substrates	14d 70% MW + 30% Seawater	<i>Nannochloropsis oculata</i>	0.345	g L ⁻¹	0.42	d ⁻¹				74±5	84±3	Şirin & Sillanpää. (2015)
Wastewater with other substrates	14d 100% MW	<i>Nannochloropsis oculata</i>	0.369	g L ⁻¹	0.45	d ⁻¹				77±2	90±3	
Wastewater with other substrates	11d primary wastewater diluted with centrate 130 mg N / L	<i>Chlorella kessleri</i>	2.70±0.08	g L ⁻¹						96	99	Caporgno et al., (2015)
Wastewater with other substrates	11d primary wastewater diluted with centrate 130 mg N/L	<i>Chlorella vulgaris</i>	2.91±0.02	g L ⁻¹						95	98	
Wastewater with other substrates	14d sea water diluted with centrate 100 mg N/L 25‰ salinity	<i>Nannochloropsis oculata</i>	1.05±0.06	g L ⁻¹						47	96	
Wastewater with other substrates	20d Uww with agricultura runoff	<i>Microalgae-Bacteria</i>	0.320	g VSS L ⁻¹			2200 (3 PBRs)	g VSS L ⁻¹ d ⁻¹ (3 PBRs)		99	99	Uggetti et al., (2018)